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INVENTOR-INFORMATION:
 NAME
 FUKAZAWA, AYANORI

ASSIGNEE-INFORMATION:
 NAME COUNTRY
 TOSHIBA ELECTRIC APPLIANCE CO LTD N/A

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ABSTRACT:

PURPOSE: To decrease the consumption of battery power and to prolong the backup effective term by switching an operating state of a controller to one of a fast mode, a slow mode and a stop mode by a mode switching means.

CONSTITUTION: In a fast mode of a microcomputer 1, a high speed operation is executed by a high speed clock 3, and control of all functions of the electric apparatus is executed by a power supplied from a main power circuit 23. Also, by an operating part 34, a clock is set and a clock function is operated. In this case, even if the power service is interrupted, in the case power supplied from the main power circuit 23 is stopped, a mode switching means 14 sets a slow mode by a function of a slow mode setting means 12, when a clock is set, and sets a stop mode, unless a clock is set. In a slow mode, a slow speed operation is executed by a slow speed clock 4, and the minimum function of a clock function and backup of a RAM 2, etc., is maintained by electric power from a backup power circuit 24, and in a stop mode, the clock function is stopped.

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